

INTERNATIONAL SEARCH REPORT

International Application No
PCT/ZA2004/000155

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04D29/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 416 549 A (KRETSCHMER ET AL) 22 November 1983 (1983-11-22) the whole document	1-30
X	US 4 499 562 A (CAMPOLINI ET AL) 12 February 1985 (1985-02-12) the whole document	1-30
A	DE 196 51 578 A1 (WAYSS & FREYTAG AG, 60486 FRANKFURT, DE; TESMA GESELLSCHAFT FUER ANLAG) 18 June 1998 (1998-06-18) the whole document	1-30
A	US 3 207 314 A (PEARSON CHESTER H) 21 September 1965 (1965-09-21) the whole document	1-30
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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- * & * document member of the same patent family

Date of the actual completion of the international search

6 September 2005

Date of mailing of the international search report

15/09/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ingelbrecht, P

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 987 186 A (BURGOON DAVID W ET AL) 6 June 1961 (1961-06-06) the whole document	1-30
A	DE 195 35 881 A1 (A.I.T. ABWASSERSYSTEME GMBH, 87740 BUXHEIM, DE) 3 April 1997 (1997-04-03) the whole document	1-30
A	US 6 276 824 B1 (DE JAGER VERNON) 21 August 2001 (2001-08-21) the whole document	1-30
A	PATENT ABSTRACTS OF JAPAN vol. 002, no. 157 (M-044), 27 December 1978 (1978-12-27) & JP 53 125602 A (MATSUSHITA ELECTRIC WORKS LTD), 2 November 1978 (1978-11-02) the whole document	1-30
A	PATENT ABSTRACTS OF JAPAN vol. 011, no. 080 (C-409), 11 March 1987 (1987-03-11) & JP 61 234995 A (MASAHIKO IRIE; others: 01), 20 October 1986 (1986-10-20) the whole document	1-30

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/ZA2004/000155

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4416549	A	22-11-1983	CA 1204340 A1	13-05-1986
US 4499562	A	12-02-1985	GB 2120115 A ,B	30-11-1983
DE 19651578	A1	18-06-1998	NONE	
US 3207314	A	21-09-1965	NONE	
US 2987186	A	06-06-1961	NONE	
DE 19535881	A1	03-04-1997	NONE	
US 6276824	B1	21-08-2001	AT 242844 T AU 760334 B2 AU 1874100 A BR 9916299 A CA 2355463 A1 DE 69908822 D1 DE 69908822 T2 DK 1144869 T3 EP 1144869 A1 WO 0037803 A1 NO 20012918 A	15-06-2003 15-05-2003 12-07-2000 22-01-2002 29-06-2000 17-07-2003 06-05-2004 06-10-2003 17-10-2001 29-06-2000 13-06-2001
JP 53125602	A	02-11-1978	JP 1351521 C JP 61018032 B	28-11-1986 10-05-1986
JP 61234995	A	20-10-1986	JP 1037195 B JP 1552932 C	04-08-1989 04-04-1990